

0600Eg--Nearshore Sed & Water--Preassessment-EarlySEP 2010

****DATA SOURCE****

Data were compiled from surveys conducted in the Gulf of Mexico. Data were compiled from NewFields Environmental Forensics Practice, LLC (Alpha) lab electronic data. The following SDGs (QC Batches) have been incorporated into the database: 1009070, 1009071, 1009072, 1009078, 1009079, 1009080, 1009103, 1009104, 1009138, 1009139, 1009145, 1009146, 1009147, 1009232, 1009233, 1103166, 1103167, 1103169. Data were also compiled from the following Columbia Analytical Services lab electronic data: K1109786, K1109837, K1200327, K1200328, K1200392, K1200393. The data sets were for samples collected from Nearshore Sed & Water--Preassessment-EarlySEP 2010.

****DATA COLLECTION PURPOSE****

Natural Resource Damage Assessment

****DATA USE QUALIFICATION****

Values for concentration and detection limit should be interpreted to 3 significant figures.
Values for reporting limits should be interpreted to 1 significant figure.

****STUDY****

This study includes the following data: Water chemistry and Sediment chemistry.

****STATION****

StationIDs are based on the Grid locations recorded in the NOAA Field Sampling Information database, plus a sequential number used for each distinct latitude/longitude position reported. Datum is assumed to be NAD83.

****SAMPLES AND REPLICATES****

The collection depth of water samples in the fields UDepth and LDepth are reported in meters.

The original SampleIDs reported by the lab from the Chain-of-Custody are stored in the ExSampID field.

Samples were assigned to each unique location and depth, and field duplicates were coded with a "D" in the SampleID and with a SampType of "FDUP." Subsequent field duplicates (splits) then have a sequential numbering "D2, D3, etc."

The default labrep code was "1A." Lab duplicates (second analysis of same sample for same analytical method) were assigned labrep "2A". Lab duplicates were identified as those samples with a "D" suffix on the labID.

Several analytes are reported from 2 different analytical methods. The "preferred" result (usually with lower detection limits) is given the default labrep code (e.g., "1A" or "2A"). The results from the non-preferred analytical method have a "X" appended to the labrep code (e.g., "1AX" or "2AX"). The following chemcode/analytes were measured using two methods:

Methods: Alkylated Polynuclear Aromatic Hydrocarbons | 8270M and PIANO Volatile Hydrocarbons by GC/MS | 8260M

NAPTHALENE / Naphthalene

The results for PIANO Volatile Hydrocarbons by GC/MS | 8260M were assigned labrep "1AX"

Methods: True-PSEP and Apparent-PSEP

PCT_CLAY / Clay (< 0.0039 mm)

PCT_GRAVEL / Gravel (>2.00 mm)

PCT_SANDVC / Sand, Very Coarse (1.00 mm to 2.00 mm)

PCT_SANDVF / Sand, Very Fine (0.0625 mm to 0.125 mm)

PCT_SAND_C / Sand, Coarse (0.500 mm to 1.00 mm)

PCT_SAND_F / Sand, Fine (0.125 mm to 0.250 mm)

PCT_SAND_M / Sand, Medium (0.250 mm to 0.500 mm)

PCT_SILT / Silt (0.0039 mm to 0.0625 mm)

The results for Apparent-PSEP were assigned labrep "1AX"

Alpha Lab Analytical Methods:

Alkylated Polynuclear Aromatic Hydrocarbons | 8270M | SOP. 0-008 Rev. 6 (abbreviated as 8270 M - Alkylated PAHs)

Inorganics Percent Solids Determination - 2540G - SOP W-001 Rev 3 (abbreviated as 2540G - Total Solids (Rev3))

Inorganics Percent Solids Determination | SM2540G | SOP W-001 Rev. 5 (abbreviated as 2540G - Total Solids (Rev5))

PIANO Volatile Hydrocarbons by GC/MS | 8260M | SOP. 0-019 Rev. 2 (abbreviated as 8260 M - PIANO VolHC - GC/MS)

Steranes and Triterpanes | 8270M | SOP. 0-008 Rev. 6 (abbreviated as 8270 M - Steranes&Triterpanes)

Total Organic Carbon | 9060M | SOP. W-028 Rev. 1 (abbreviated as 9060 M - TOC)

Total Saturated Hydrocarbons by GC/FID | 8015M | SOP. 0-003 Rev. 5 (abbreviated as 8015 M - Tot Sat. HC - GC/FID)

CAS_K Lab Analytical Methods:

Apparent-PSEP (abbreviated as PSEP-Apparent Grain Size (CAS))

True-PSEP (abbreviated as PSEP-True Grain Size (CAS))

****SUMMED PARAMETERS****

% Fines values were calculated and were appended to the sediment chemistry tables.

****QUALIFIERS****

Qualifiers recorded in the chemistry files represent the final data qualifiers provided by the data validation. Descriptions of the data qualifiers are included in the data dictionary.

****OTHER****

The original analyte in Alpha lab EDDs reported as Benzo(k)fluoranthene was identified by the data validators to be a coelution of Benzo(k)fluoranthene and Benzo(j)fluoranthene. Therefore, the chemical data for the original Benzo(k)fluoranthene results have been assigned a chemical code for Benzo(j+k)fluoranthene (BJKF).

The original analyte in Alpha lab EDDs reported as "Total Petroleum Hydrocarbons (C9-C44)" was proposed to need further distinction based on information acquired from the data validators. If the sample was not subjected to silica gel cleanup; it was suggested that the results represented "Total Extractable Matter (C9-C44)". If the sample was subjected to silica gel cleanup; it was suggested that the results represented "Total Extractable Hydrocarbon (C9-C44)". These chemical code/chemical name modifications made by the validators were used to report the original total petroleum hydrocarbon results in the final chemistry tables.